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STEP Modularization and AICs

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Modules and AICs

- **Approach**
  - **coming from AM teams, not WG10**
  - **new EXPRESS ARM created**
  - **very limited mapping specified**
  - **create AM that uses AIC schema into MIM**
- **AM team asking WG10 about issues**
  - **Should the AM for the AIC have the same name?**
    - **Initial suggestion worked with AM team is, Yes when it is to replace an AIC.**
    - **Will ISO allow this? What does WG10 think?**

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AICs - green italics have proposed AMs

GEOMETRY

— Part 501, Application interpreted construct: Edge-based wireframe;
— Part 502, Application interpreted construct: Shell-based wireframe;
— Part 503, Application interpreted construct: Geometrically bounded 2D wireframe;
Is *Geometrically bounded wireframe* the same?
— Part 507, Application interpreted construct: Geometrically bounded surface;
— Part 508, Application interpreted construct: Non-manifold surface;
— Part 509, Application interpreted construct: Manifold surface;
— Part 510, Application interpreted construct: Geometrically bounded wireframe;
— Part 511, Application interpreted construct: Topologically bounded surface;
— Part 512, Application interpreted construct: Faceted boundary representation;
— Part 513, Application interpreted construct: Elementary boundary representation;
— Part 514, Application interpreted construct: Advanced boundary representation;
— Part 515, Application interpreted construct: Constructive solid geometry;

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AICs - green italics have proposed AMs (2)

OTHER DOMAINS

— Part 504, Application interpreted construct: Draughting annotation;
— Part 505, Application interpreted construct: Drawing structure and administration;
— Part 506, Application interpreted construct: Draughting elements;
— Part 517, Application interpreted construct: Mechanical design geometric presentation;
Shape appearance and layers modules suite covers a small portion of this
— Part 518, Application interpreted construct: Mechanical design shaded presentation;
— Part 519, Application interpreted construct: Geometric tolerances;
A suite of modules covers this domain
— Part 520, Application interpreted construct: Associative draughting.